

Table 2 The risk of 5-year mortality and recurrent strokes in the four AED groups

Outcome	Crude HR (95% CI)	P value	Adjusted HR* (95% CI)	P value
Follow-up for 5 years				
Death				
New AED	Reference		Reference	
Carbamazepine	0.40(0.14-1.16)	0.09	0.47(0.14-1.62)	0.23
Valproic acid	1.35(0.83-2.19)	0.23	1.03(0.62-1.70)	0.92
Phenytoin	1.95(1.27-3.00)	0.002	1.64(1.06-2.55)	0.03
Recurrent strokes (competing risk analysis)				
New AED	Reference		Reference	
Carbamazepine	0.45(0.15-1.32)	0.15	0.50(0.16-1.57)	0.23
Valproic acid	0.68(0.38-1.22)	0.20	0.64(0.33-1.25)	0.19
Phenytoin	0.81(0.50-1.34)	0.42	0.95(0.55-1.65)	0.87

Abbreviations: AED: antiepileptic drugs, HR: hazard ratio, CI: confidence interval

*Adjusted for age, gender, index stroke type, hypertension, diabetic mellitus, dyslipidemia, ischemic heart disease, heart failure, atrial fibrillation, prior stroke, chronic kidney disease, peripheral vascular disease, mood disorder, dementia, migraine, stroke severity index, concomitant anticoagulants use, concomitant antiplatelet use, concomitant antidepressants use, concomitant statin use, and Year of index date of AED use

